

SEQUENCE LISTING

<110> Reed, John C.  
Okada, Kazuya

<120> Survivin-Binding Proteins, Encoding  
Nucleic Acids, and Methods of Use

<130> P-LJ 5144

<150> US 09/770,219  
<151> 2001-01-25

<160> 14

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<212> DNA  
<213> Homo sapiens

<220>  
<221> CDS  
<222> (145) ... (642)

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acgagccgcg cggcatctt gtcggatc gtgcgtgagg aggcttcgtg ggcagcgaga 120  
gtcacagaca agacagcaag cagg atg gag cac tac cgg aaa gct ggc tct 171  
Met Glu His Tyr Arg Lys Ala Gly Ser  
1 5

gta gag ctc cca gcg cct tcc cca atg ccc cag cta cct cct gat acc 219  
Val Glu Leu Pro Ala Pro Ser Pro Met Pro Gln Leu Pro Pro Asp Thr  
10 15 20 25

ctt gag atg cgg gtc cga gat ggc agc aaa att cgc aac ctg ctg ggg 267  
Leu Glu Met Arg Val Arg Asp Gly Ser Lys Ile Arg Asn Leu Leu Gly  
30 35 40

ttg gct ctg ggt cgg ttg gag ggc ggc agt gct cgg cat gta gtg ttc 315  
Leu Ala Leu Gly Arg Leu Glu Gly Gly Ser Ala Arg His Val Val Phe  
45 50 55

tca ggt tct ggc agg gct gca gga aag gct gtc agc tgc gct gag att 363  
Ser Gly Ser Gly Arg Ala Ala Gly Lys Ala Val Ser Cys Ala Glu Ile  
60 65 70

gtc aag cgg cgg gtc cca ggc ctg cac cag ctc acc aag cta cgt ttc 411  
Val Lys Arg Arg Val Pro Gly Leu His Gln Leu Thr Lys Leu Arg Phe

75

80

85

ctt cag act gag gac agc tgg gtc cca gcc tca cct gac aca ggg cta 459  
Leu Gln Thr Glu Asp Ser Trp Val Pro Ala Ser Pro Asp Thr Gly Leu  
90 95 100 105

gac ccc ctc aca gtg cgc cgc cat gtg cct gca gtg tgg gtg ctg ctc 507  
Asp Pro Leu Thr Val Arg Arg His Val Pro Ala Val Trp Val Leu Leu  
110 115 120

agc cg<sup>g</sup> gac ccc ctg gac ccc aat gag tgt ggt tac caa ccc cca gga 555  
Ser Arg Asp Pro Leu Asp Pro Asn Glu Cys Gly Tyr Gln Pro Pro Gly  
125 130 135

gca ccc cct ggc ctg ggt tcc atg ccc agc tcc agc tgt ggc cct cgt 603  
Ala Pro Pro Gly Leu Gly Ser Met Pro Ser Ser Ser Cys Gly Pro Arg  
140 145 150

tcc cga aga agg ctc gag aca ccc gat cgt gaa gac ttg tga 645  
Ser Arg Arg Arg Leu Glu Thr Pro Asp Arg Glu Asp Leu  
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<212> PRT  
<213> Homo sapiens

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Gly Ser Lys Ile Arg Asn Leu Leu Gly Leu Ala Leu Gly Arg Leu Glu  
35 40 45  
Gly Gly Ser Ala Arg His Val Val Phe Ser Gly Ser Gly Arg Ala Ala  
50 55 60  
Gly Lys Ala Val Ser Cys Ala Glu Ile Val Lys Arg Arg Val Pro Gly  
65 70 75 80  
Leu His Gln Leu Thr Lys Leu Arg Phe Leu Gln Thr Glu Asp Ser Trp  
85 90 95  
Val Pro Ala Ser Pro Asp Thr Gly Leu Asp Pro Leu Thr Val Arg Arg  
100 105 110  
His Val Pro Ala Val Trp Val Leu Leu Ser Arg Asp Pro Leu Asp Pro  
115 120 125  
Asn Glu Cys Gly Tyr Gln Pro Pro Gly Ala Pro Pro Gly Leu Gly Ser  
130 135 140  
Met Pro Ser Ser Ser Cys Gly Pro Arg Ser Arg Arg Arg Leu Glu Thr  
145 150 155 160  
Pro Asp Arg Glu Asp Leu  
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<212> PRT  
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Val Pro Lys Thr His Leu Met Ser Glu Ser Glu Trp Arg Asn Leu Gly  
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<212> PRT  
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20 25 30  
Pro His Ile Leu Leu Phe Arg Arg Pro  
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<211> 41  
<212> PRT  
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<400> 5  
Val Pro Lys Thr His Leu Met Thr Glu Ala Glu Trp Arg Ser Ile Gly  
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20 25 30  
Pro His Ile Leu Leu Phe Arg Arg Pro  
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<210> 6  
<211> 41  
<212> PRT  
<213> Saccharomyces cerevisiae

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Val Gly Thr Leu Arg Ile Leu Thr Glu Asp Glu Trp Arg Gly Leu Gly  
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20 25 30  
Pro His Ile Leu Leu Phe Lys Arg Pro

35

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<212> DNA  
<213> Artificial Sequence

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<223> primer

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<212> DNA  
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<223> primer

<400> 9  
cctgcgaacc ggagcggat

19

<210> 10  
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<212> DNA  
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<223> primer

<400> 10  
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<212> DNA  
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<223> primer

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<400> 12  
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<212> DNA  
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<220>  
<221> CDS  
<222> (1)...(489)

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1 5 10 15

cca atg ccc cag cta cct gat acc ctt gag atg cgg gtc cga gat 96  
Pro Met Pro Gln Leu Pro Pro Asp Thr Leu Glu Met Arg Val Arg Asp  
20 25 30

ggc agc aaa att cgc aac ctg ctg ggg ttg gct ctg ggt cgg ttg gag 144  
Gly Ser Lys Ile Arg Asn Leu Leu Gly Leu Ala Leu Gly Arg Leu Glu  
35 40 45

ggc ggc agt gct cgg cat gta gtg ttc tca ggt tct ggc agg gct gca 192  
Gly Gly Ser Ala Arg His Val Val Phe Ser Gly Ser Gly Arg Ala Ala  
50 55 60

gga aag gct gtc agc tgc gct gag att gtc aag cgg cgg gtc cca ggc 240  
Gly Lys Ala Val Ser Cys Ala Glu Ile Val Lys Arg Arg Val Pro Gly  
65 70 75 80

ctg cac cag ctc acc aag cta cgt ttc ctt cag act gag gac agc tgg 288  
Leu His Gln Leu Thr Lys Leu Arg Phe Leu Gln Thr Glu Asp Ser Trp  
85 90 95

gtc cca gcc tca cct gac aca ggg cta gac ccc ctc aca gtg cgc cgc 336  
Val Pro Ala Ser Pro Asp Thr Gly Leu Asp Pro Leu Thr Val Arg Arg  
100 105 110

cat gtg cct gca gtg tgg gtg ctg ctc agc cgg gac ccc ctg gac ccc	384		
His Val Pro Ala Val Trp Val Leu Leu Ser Arg Asp Pro Leu Asp Pro			
115	120	125	
aat gag tgt ggt tac caa ccc cca gga gca ccc cct ggc ctg ggt tcc	432		
Asn Glu Cys Gly Tyr Gln Pro Pro Gly Ala Pro Pro Gly Leu Gly Ser			
130	135	140	
atg ccc agc tcc agc tgt ggc cct cgt tcc cga aga agg gct cga gac	480		
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145	150	155	160
acc cga tcg tga	492		
Thr Arg Ser			

<210> 14  
<211> 163  
<212> PRT  
<213> Homo sapiens

<400> 14  
Met Glu His Tyr Arg Lys Ala Gly Ser Val Glu Leu Pro Ala Pro Ser  
1 5 10 15  
Pro Met Pro Gln Leu Pro Pro Asp Thr Leu Glu Met Arg Val Arg Asp  
20 25 30  
Gly Ser Lys Ile Arg Asn Leu Leu Gly Leu Ala Leu Gly Arg Leu Glu  
35 40 45  
Gly Gly Ser Ala Arg His Val Val Phe Ser Gly Ser Gly Arg Ala Ala  
50 55 60  
Gly Lys Ala Val Ser Cys Ala Glu Ile Val Lys Arg Arg Val Pro Gly  
65 70 75 80  
Leu His Gln Leu Thr Lys Leu Arg Phe Leu Gln Thr Glu Asp Ser Trp  
85 90 95  
Val Pro Ala Ser Pro Asp Thr Gly Leu Asp Pro Leu Thr Val Arg Arg  
100 105 110  
His Val Pro Ala Val Trp Val Leu Leu Ser Arg Asp Pro Leu Asp Pro  
115 120 125  
Asn Glu Cys Gly Tyr Gln Pro Pro Gly Ala Pro Pro Gly Leu Gly Ser  
130 135 140  
Met Pro Ser Ser Cys Gly Pro Arg Ser Arg Arg Arg Ala Arg Asp  
145 150 155 160  
Thr Arg Ser